



Andrew McKaig  
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Employment:

1981 – 1986  
Auto Collision Repair Technician  
Tidewater Automotive Service Center  
Norfolk VA

Responsible for:  
General collision repair  
Large component welding  
Overall prep and refinishing.

1983 -1985  
Engineering Lab Instructor  
Old Dominion University  
Norfolk VA

Responsible for teaching lab section of basic engineering class MET-100  
Topics covered – Basic data graphing techniques, introduction to electrical logic diagrams, soldering of refrigerant tubing and flat plate resistance welding.

1986 -1996  
Engineer/ Quality Administrator  
Bauer Compressors Inc.  
Norfolk VA

Responsible for:  
Implementation and operation of the overall quality system at Bauer Compressors Inc./  
CvB assembly plant in Norfolk VA and its transition from established Mil-I status to  
ISO-9000

Supervision of the Bauer Compressors Inc, Service and Test departments.  
Maintenance and programming of the warranty/ defective parts / corrective action  
database system using the D-Base3 programming language.

Technical support and evaluation for all testing activities.

Design, maintenance, programming and operation of environmental testing facilities and the digital data collection during same.

Lead instructor for Service/ Technical training classes.

1996 – Present

Bauer Compressors Inc.

Research and Development Engineer

Responsible for:

Development of electro-pneumatic and pneumatic systems for controlling high-pressure gases for compressed natural gas and gas assist molding applications.

Development of programmable logic control (PLC) based systems for high-pressure gas generation, compression and dispensing systems.

Development of software for personal computers for human / machine interfaces and touch screen mechanisms to communicate with PLC based systems.

Development and maintenance of Internet based product support and software downloads sites for PLC based products manufactured by Bauer Compressors Inc.

The test and evaluation of electro-pneumatic and pneumatic design concepts for high pressure breathing air, natural gas and industrial gas operations.

## Education

1981-1985

Old Dominion University

Norfolk VA

Bachelor of Science, Mechanical Engineering Technology

Specializing in systems engineering

April 1990

Catonsville Community College

Catonsville MD

Total quality Management Update

June 1994

Perry Johnson Inc.

Virginia Beach VA

Lead Assessor of Quality Systems

Personal training - ongoing

Microsoft Visual Basic 6 programming language

Assembly language programming

Visual C++ and JAVA programming language

Motorola 6800 series embedded processor programming